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Date: October 29, 2001  
Refer to: E/ESO:01-068

Mr. Joseph Vozella  
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**SUBJECT: POTENTIAL BEST PRACTICES LIST FOR FY 2002 UC CONTRACT APPENDIX F WASTE MINIMIZATION PERFORMANCE MEASURE.**

The FY 2002 Appendix F Waste Minimization Performance Measure requires the Laboratory to implement five waste minimization or water conservation best practices to achieve a rating of outstanding. The measure also requires the Laboratory to submit a list of potential best practices by October 31, 2001. This letter satisfies the list requirement. Should the Laboratory decide to implement site-wide best practices not on this list, this list will be amended and DOE will be notified.

A Best Practice is a process or procedure that reduces waste generation or water usage compared to the current, prevalent process or procedure used for the same purpose. A best practice is implemented site-wide when it has been implemented in 80% of those areas where it could make a safe, cost-effective waste reduction. For purposes of this Appendix F performance measure, the best practice must have been proven in a Laboratory facility or in such a way that is equivalent to demonstration in a Laboratory facility.

1. Implement Green is Clean in Lab Radiological Controlled Areas (RCA).
2. Deploy compactor boxes to RCAs
3. Neutralize acids and bases where such action will make the waste non-RCRA
4. Recycle segregated asphalt, concrete, and dirt from Lab and JCNM operations.
5. Use launderable contamination barriers in RCAs.
6. Substitute bio-based hydraulic fluids for petroleum-based fluids.
7. Replace mercury thermometers and manometers in RCAs with mercury-free devices.
8. Double-sided printing and copying.
9. Puncture and recycle aerosol cans.

10. Implement glass, plastic bottle, and aluminum can recycling.
11. Eliminate perchlorate from processes discharging to RLW plant.
12. Use non-hazardous low-mercury fluorescent bulbs where available.

Should you have any questions on this list, please contact me at (505) 667-6639 or [tps@lanl.gov](mailto:tps@lanl.gov).

Sincerely,

Thomas P. Starke, Program Manager  
Environmental Stewardship Office

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